

Work Order ID 57704

April 14, 2010 10:10:18 AM



Page 1

Item ID: D3672-3

Accept

Revision ID:

Item Name: Phenolic Washer

Start Date: 14/04/2010 Start Qty: 1,000.00



Required Date: 20/04/2010 Req'd Qty: 1,000.00



Reference:

Approvals: Process Plan:

Date: 10-4-14

Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop



Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Draw
Number

Draw
Rev.

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

Draw Nbr

Revision Nbr

D3672

Rev C

100



PURCHASING

Purchasing

Memo

0.00

Purchasing

Issue P/O: 11461

0.00

Purchase Part Number: MM .500 OD X .267 ID X.031 +/- .002

Supplier: HASKINS INDUSTRIAL

Certificate of conformity is required

CG
10-4-14
1000

110



Receive & Inspect for Damage & Mat'l Certs

0.00

Packaging

Packaging

Memo

0.00

Ensure certificate of conformity is attached

10-4-16
1000

120



QC6- Inspect dimensions to drawing

0.00

QC

Quality Control

Memo

0.00

S04/17

1000

QDPO15

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

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Required Date: 20/04/2010 Req'd Qty: 1,000.00



Reference:

Approvals:

Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Setup

Start



Stop



QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Run

Start



Stop

Sequence ID/
Work Center ID

130



Packaging

Packaging

Operation
DescriptionIdentify as per dwg & Stock Location: 077Set Up/
Run Hours

0.00

Draw
NumberDraw
Rev.Plan
CodeAccept
QtyReject
QtyReject
NumberReject
NumberInsp.
Stamp

140



QC

Quality Control

QC21- Final Inspection - Work Order Release

0.00

Memo

0.00

R 10/4/2010 JWS

140



QC

Quality Control

QC21- Final Inspection - Work Order Release

0.00

Memo

0.00

10/04/2010 JWS

JW

10-4-20

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____
 Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

April 14, 2010 10:10:22 AM

Page 1

Work Order ID: 57704



Parent Item: D3672-3



Parent Item Name: Phenolic Washer

Comments: IPP Rev:A New Issue 07-09-09 JLM Verified By:EC
IPP Rev:B ECN 1056 07-11-13 DD

Start Date: 14/04/2010

Required Date: 20/04/2010

Start Qty: 1,000.00

Required Qty: 1,000.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch Purchased	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
D3672-3P WASHER			No			110	Each	0.0000	1,000.0000		10/04/10	1000

3889

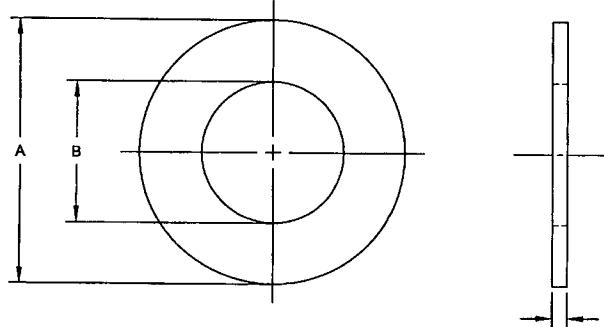
W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____
 Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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NOTE: Date & initial all entries

SPECIFICATION CONTROL DRAWING



D3672-X PHENOLIC WASHER

Dart P/N	A (IN)	B (IN)	T (IN)	SUPPLIER P/N	REPLACES
D3672-1	0.437	0.210	0.031	MM .437OD x .210ID x .031 +.002 PHENOLIC FLAT WASHER	NAS1515H3L
D3672-3	0.500	0.267	0.031	MM .500OD x .267ID x .031 +.002 PHENOLIC FLAT WASHER	NAS1515H4L
D3672-5	0.562	0.326	0.062	MM .562OD x .326ID x .062 +.002 PHENOLIC FLAT WASHER	NAS1515H5
D3672-7	0.562	0.328	0.031	MM .562OD x .328ID x .031 +.002 PHENOLIC FLAT WASHER	NAS1515H5L
D3672-9	0.625	0.390	0.031	MM .625OD x .390ID x .031 +.002 PHENOLIC FLAT WASHER	NAS1515H6L
D3672-11	0.750	0.453	0.031	MM .750OD x .453ID x .031 +.002 PHENOLIC FLAT WASHER	NAS1515H7L
D3672-13	0.875	0.515	0.031	MM .875OD x .515ID x .031 +.002 PHENOLIC FLAT WASHER	NAS1515H8L

C

NOTES:

- 1) MATERIAL: PHENOLIC. PURCHASE HASKINS INDUSTRIAL INC. P/N PER TABLE (IN QUANTITIES OF 1000)
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: N/A

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 57704

PARO-41-14
RELEASED
2009-12-14
M

C	REDRAW, ADD -13 (ZN A8-1), PAR 09-038	CP	09.11.04
B	ADD -5/-7/9-11	DC	07.10.09
A	NEW ISSUE	DC	07.08.28
REV.	DESCRIPTION		
DESIGN	DC	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	<i>pp</i>	DRAWING NO. REV. C	
CHECKED		D3672 SHEET 1 OF 1	
MFG. APPR.	<i>AA</i>	TITLE	SCALE
APPROVED	<i>AA</i>	PHENOLIC WASHER	NTS
DE APPR.	<i>AA</i>		
DATE	09.11.04	COPYRIGHT © 2007 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY OTHER PURPOSE THAN THAT FOR WHICH IT WAS PROVIDED BY THE PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD	

W/O:		WORK ORDER CHANGES					
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NOTE: Date & initial all entries



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO11661

Purchase Order Date 14/04/2010

PO Print Date 14/04/2010

Page Number 1 of 2

Order From :

HASKINS INDUSTRIAL
5-52 ANTARES DRIVE
NEPEAN, ON K2E 7Z1
CA

VC-HAS001

FAXED
(10/4/10)

Contact Name

Vendor Phone 613 723 8800
Vendor Fax 613 723 8806

Buyer Brigitte Golden
Requisition Nbr
Tax Resale Nbr 10127-2607
Terms Net 30
Currency CAD
FOB

Vendor Account Nbr

Ship To : DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Line Nbr	Reference Revision ID	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
	Vendor Part Number						
1	D3672-3P	WASHER	16/04/2010 Yes	✓1,000.00 Each	Dicom	\$0.3229	\$322.90
2	SER 47S 3/8 Reg Alum Cutter S-CARB		21/04/2010 Yes	3.00	Dicom	\$29.9200	\$89.76
3.	1/2" Z1CR 4FL Endmill with Rad		16/04/2010 Yes	5.00	Dicom	\$57.7900	\$288.95
4	103-666 1" 4FL Long Endmill		16/04/2010 Yes	4.00	Dicom	\$93.2700	\$373.08

Deliver To: CNC

3.	1/2" Z1CR 4FL Endmill with Rad	16/04/2010 Yes	5.00	Dicom	\$57.7900	\$288.95
4	103-666 1" 4FL Long Endmill	16/04/2010 Yes	4.00	Dicom	\$93.2700	\$373.08

Deliver To: CNC

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable

Change Nbr: 1

Change Date: 14/04/2010

M.M. SALES ADMINISTRATRIX LTD.

7650 KIMBEL STREET
UNIT # 35
MISSISSAUGA, ONTARIO
L5S 1L2

PACKING SLIP

ISO 9001-2000
Registered

Date	Invoice #
15/04/2010	1939

Invoice To
HASKINS INDUSTRIAL INC 5- 52 ANTARES DRIVE NEPEAN, ONTARIO K2E 7Z1

Ship To
DART AEROSPACE LTD. 1270 ABERDEEN STREET HAWKESBURY, ONTARIO K6A 1K7 TAG P.O. # 11661

P.O. No.	Ship Date	Ship Via	FOB
200732	14/04/2010	PUROLAT...	MISSISSAUGA

Description	Qty
P/N MMS-D3672-3 PHENOLIC FIRBE FLAT WASHER .500 X .267 X .031 +/- .002 <i>S dotis</i>	1,000

GST/HST No. 889055281